

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002125352 A

(43) Date of publication of application: 26.04.2002

(51) Int. Cl. H02K 17/16

H02K 1/32, H02K 5/20, H02K 9/04

(21) Application number: 2001271585

(22) Date of filing: 28.08.1995

(62) Division of application: 07219001

(71) Applicant: MITSUBISHI ELECTRIC CORP

(72) Inventor: OTSUKA KYOICHI

FUJII HIDENORI

KANEI NOBUHIRO

TSUKUI KEITARO

### (54) SQUIRREL-CAGE MOTOR ROTOR AND THE SQUIRREL-CAGE MOTOR

#### (57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a squirrel-cage motor rotor which can relieve stresses produced in rotor bars by thermal expansion and is small in size and light in weight, and to provide a squirrel-cage motor employing the rotor.

**SOLUTION:** This squirrel-cage motor rotor is cooled by cooling air flowing in the axial direction and has a rotary shaft, a rotor core fixed to the rotary shaft, rotor bars extended through the rotor core in the axial direction, end rings fixed to both the ends in the axial direction of the rotor bars and extended circumferen-

tially separated from the rotor core, and stress relief devices, which are provided on the rotor bars at positions outside in the axial direction of the rotor core and can relieve stresses produced in the rotor bars.

COPYRIGHT: (C)2002,JPO

